Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number 2

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

SJO920000204US2 Attorney Docket No. **Pinarbasi** First Inventor or Application Identifier Title METHOD OF MAKING A TUNNEL JUNCTION SENSOR WITH A SMOOTH INTERFACE BETWEEN A PINNED OR FREE LAYER AND A BARRIER LAYER

			Express Mail La	bel No.	EL 749517854 U	IS		
		ATION ELEMENTS ncerning utility patent application con	tents.	ADDRES	S TO: Mail Stop: Pat Commissioner P. O. Box 1450 Alexandria, VA	r for Paten 0	ts	-
1X_ 2X_	(Submit an original, and a du	al Pages 21] orth below) Execution Elated Applications ed sponsored R & D Appendix ntion		 Microfiche Computer Program (Appendix) Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) Computer Readable Copy Paper Copy (identical to computer copy) Statement Verifying identity 				
	- Brief Description of the	Drawings (if filed)			ACCOMPANYING	APPLIC	CATION PARTS	
- Detailed Description - Claim(s) - Abstract of the Disclosure 3X_ Drawing(s) (35 USC) 113) [Total Sheets 8] 4X_ Oath or Declaration [Total Pages _2_] a Newly executed (original or copy) bX_ Copy from a prior application (37 CFR 1.63(d))				8 Assignment Papers (cover sheet & document(s)) 9 37 CFR 3.73(b) Statement				
	CONTINUING APPLICAT Continuation X application information: Exar	ION, check appropriate box and Divisional Continuatio niner Paul Kim	n-in-part (CIP)	te information	of prior application	n No.: _0	9/896,342	_
		18. C	ORRESPONDEN	CE ADDRES	is			
Customer Number or Bar Code Label orX_ Correspondence address below (Insert Customer Notion Attach bar code label here)								
	ADDRESS	International Business IP Law L2PA/010 5600 Cottle Road San Jose, California S		orporation	1			
	Telephone: 619-334-5883 (Ervin F. Johnston) FAX: 619-448-1904							
	COUNTRY	USA						
	Name (Print/Type)	Ervin F. Johnston		Reaistra	ation No. (Attorney/A	(gent)	20,190	1
-	0'					32,	0-1-1-2/ 0002	1

Name (Print/Type)	Ervin F. Johnston	Registration No. (Attorne	Registration No. (Attorney/Agent)	
Signature	Disin Hunto		Date	October 74 2003

PTO/SB/17 REV 1 (12/97)
Approved for use through 09/30/2000. omb 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

	o respond to a collection of information unless it displays a valid OMB control number.					
8351			Complete If Known			
FEE TRANSMITTAL	Application Number		(unknown)			
Ratent fees are subject to annual revision on October 1. Chipese are the fees effective November 10, 1998. Shadl Entity payments must be supported by a small entity statement,	Filing Date		(herewith)			
Entity payments must be paid. See Forms PTO/SB/09-12 See 37 C.F.R. §§ 1.27 and 1.28	First Named Inventor		Pinarbasi			
Sec 57 C.1.111. 33 1.27 and 1.25	Examiner Name		(unknown)			
	Group / Art Unit		(unknown)			
TOTAL AMOUNT OF PAYMENT (\$) 750.00	Attorney Docket No.		SJO920000204US2			
METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)					
The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to: Deposit Account Number	Large Entity Si Fee Fee Fe Code (\$) Ci 105 130 20	AL FEES mall Entity see Fee ode (\$) 05 65 27 25	Fee Description Surcharge - late filing for Surcharge - late provis			
x Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 CFR 1.16 and 1.17 CFR 1.311(b) Charge the Issue Fee Set in 37 CFR 1.311(b)	147 2,520 14	39 130 37 2,520 12 920*	cover sheet Non-English specificati For filing a request for Requesting publication Examiner action	on reexamination		
2 Payment Enclosed:		1,840*	Requesting publication Examiner action			
Check Money Order Other	116 410 2°	15 55 16 205	Extension for response Extension for response	within first month within second month		
FEE CALCULATION	118 1,450 2°	17 465 18 725	Extension for response	within fourth month		
1. BASIC FILING FEE	119 320 21	28 985 19 160	Extension for response Notice of Appeal			
Large Entity Small Entity Fee Fee Fee Fee Fee Pead Code (\$) Code (\$) 101 750 201 375 Utility filing fee750.00	121 280 22 138 1,510 13	20 160 21 140 38 1,510 40 55	Filing a brief in support Request for oral hearin Petition to institute a pu Petition to revive unavo application	g ublic use proceeding		
101 750 201 375 Utility filing fee	142 1,300 24	11 650 12 650	Petition to revive uninte abandoned application Utility issue fee (or reis	sue)		
114 160 214 80 Provisional filing fee	144 630 3	13 235 15 300 22 130	Design issue fee Plant issue fee Petitions to the Commi			
SUBTOTAL (1) (\$) 750.00	126 180 12	26 180 46 375	Submission of Informat	tion Disclosure Stmt		
2. EXTRA CLAIM FEES Extra Fee from Claims below Fee Paid Total Claims 20** = x _18_ =		19 375	Filing a submission after (37 CFR 1.129(a)) Request for continued (37 CFR 1.114)			
Independent Claims 5** = x <u>84</u> = Multiple Dependent Claims x =	Other fee (specify) Other fee (specify)	_Terminal D	isclaimer	·		
** or number previously paid, if greater; For Reissues, see below Large Entity Fee Fee Fee Fee Fee Fee Pee Description Code (\$) Code (\$) 103 18 203 9 Claims in excess of 20 102 84 202 42 Independent claims in excess of 3 104 280 204 140 Multiple dependent claim 109 80 209 40 ** Reissue independent claims over original patent 110 18 210 9 ** Reissue claims in excess of 20 and over original patent SUBTOTAL (2) (\$)	SUBTOTAL (3) (\$) *Reduced by Basic Filing Fee Paid					
SUBMITTED BY		CON	MPLETE (if applicable)		
Typed or Printed Name Ervin Bohnston		Reg	. Number	20,190		
Signature Own is Johnston		Date	<u> </u>	October 24,2003		

"EXPRESS MAIL" MAILING LABEL NO. <u>EL 749517854US</u>

DATE OF DEPOSIT: October スセ2003

I HEREBY CERTIFY THAT THIS PAPER OR FEE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE "EXPRESS MAIL POST OFFICE TO ADDRESSEE" SERVICE UNDER 37 CFR 1.10 ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO:

Mail Stop: Patent Application Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

Ervin F. Johnston

SIGNATURE